Order No. MAC0003011C3

Service Manual

Room Air Conditioner

CW-C70YR / CW-C90YR

SPECIFICATIONS

	Specification	
Model	CW-C70YR	CW-C90YR
Phase	Single	Single
Voltage	240 - 220 V	240 - 220 V
Frequency	50 Hz	50 Hz
Cooling Capacity	2.07 - 2.06 kW	2.67 - 2.64 kW
	7,060 - 7,000 Btu/h	9,100 - 9,000 Btu/h
Running Current	3.1 - 3.2 A	4.1 - 4.3 A
Input Power	720 - 690 W	965 - 925 W
EER	2.88 - 2.99 W/W	2.77 - 2.85 W/W
Starting Current	12.4 A	18 A
Compressor Output	550 W	750 W
Fan Motor Output	40 W	40 W
Noise Level	Indoor (High / Low):	Indoor (High / Low):
	47 / 44 - 45 / 41 dB(A)	47 / 44 - 45 / 42 dB(A)
	Outdoor (High / Low):	Outdoor (High / Low):
	56 / 52 - 55 / 50 dB(A)	57 / 54 - 56 / 53 dB(A)
Power Level	Outdoor: 68 dB(A)	Outdoor: 68 dB(A)
Moisture Removal	1.3 Ltr/h	1.6 Ltr/h
	2.7 Pint/h	3.4 Pint/h
Air Circulation	7.5 m3/min.	7.5 m3/min.
	260 Ft3/min.	260 Ft3/min.

Model	CW-C70YR	CW-C90YR
Dimensions	Height: 346 mm (13-5/8 inches) Width: 450 mm (17-23/32 inches) Depth: 580 mm (22-27/32 inches)	Height: 346 mm (13-5/8 inches) Width: 450 mm (17-23/32 inches) Depth: 580 mm (22-27/32 inches)
Net Weight	31.5 kg 69 lb	34.5 kg 76 lb
Refrigerant (R-22)	520 g 18.4 oz	475 g 16.8 oz

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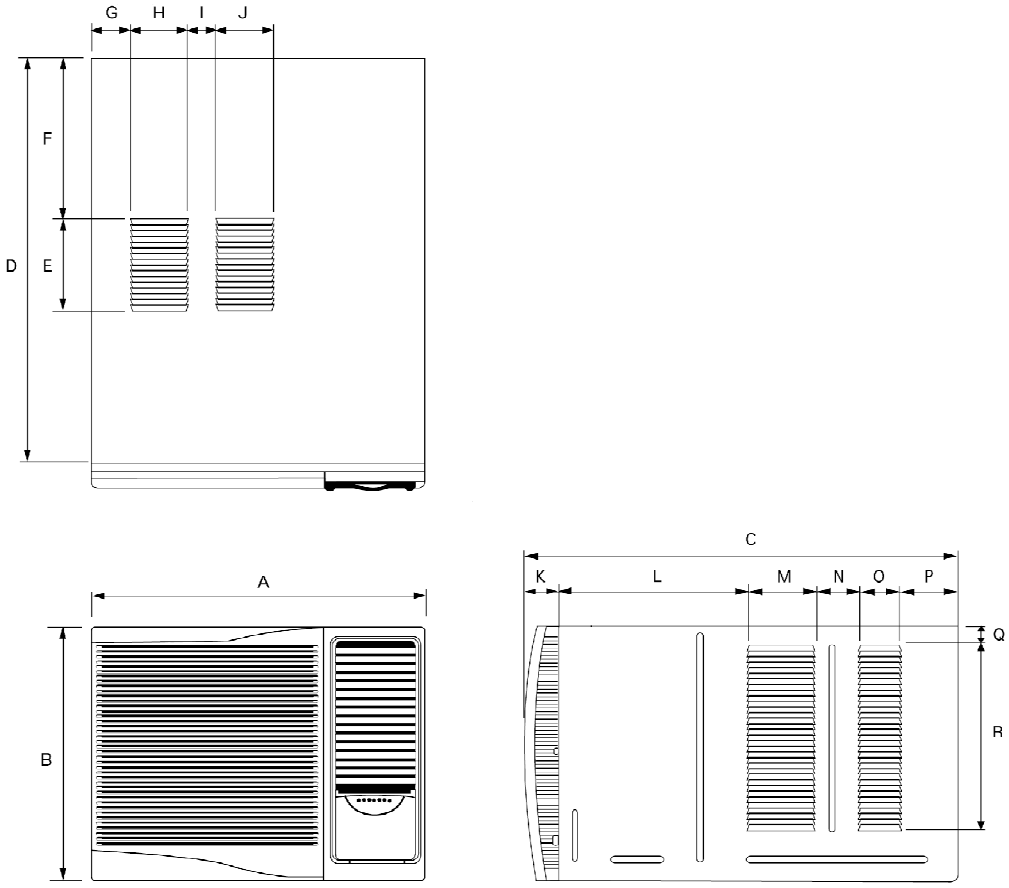
⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

1. Dimensions

1.1. Top View, Front View & Side View

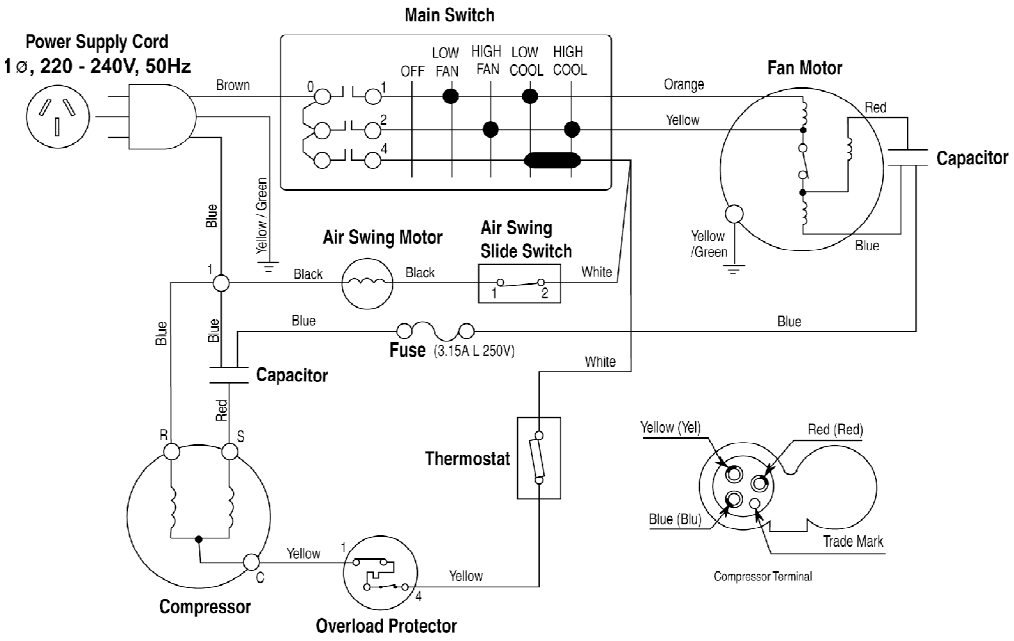


1.2. Unit

Item	All listed models
A (Width)	17-23/32” (450 mm)
B (Height)	13-5/8” (346 mm)
C (Depth)	22-27/32” (580 mm)
D	21-1/4” (540 mm)
E	5-21/32” (144 mm)
F	6-1/32” (153 mm)
G	1-31/32” (50 mm)
H	3-27/32” (98 mm)
I	1-3/16” (30 mm)
J	3-27/32” (98 mm)
K	1-9/16” (40 mm)
L	9-7/32” (234 mm)
M	3-27/32” (98 mm)
N	2-31/32” (75 mm)
O	1-11/16” (43 mm)
P	3-17/32” (90 mm)
Q	0-29/32” (23 mm)
R	10-11/32” (263 mm)

2. Wiring Diagram

2.1.



2.2. Resistance of Fan Motor windings and the rated Capacitor.

Model	CW-C70YR	CW-C90YR
Connection	CWA921025	CWA92303
Blue - Yellow	96.9 Ω	96.9 Ω
Yellow - Orange	38.4 Ω	31.4 Ω
Red - Yellow	115.3 Ω	115.3 Ω
Capacitor	CWA31607 (2.3 μ F, 400VAC)	CWA31607 (2.3 μ F, 400VAC)

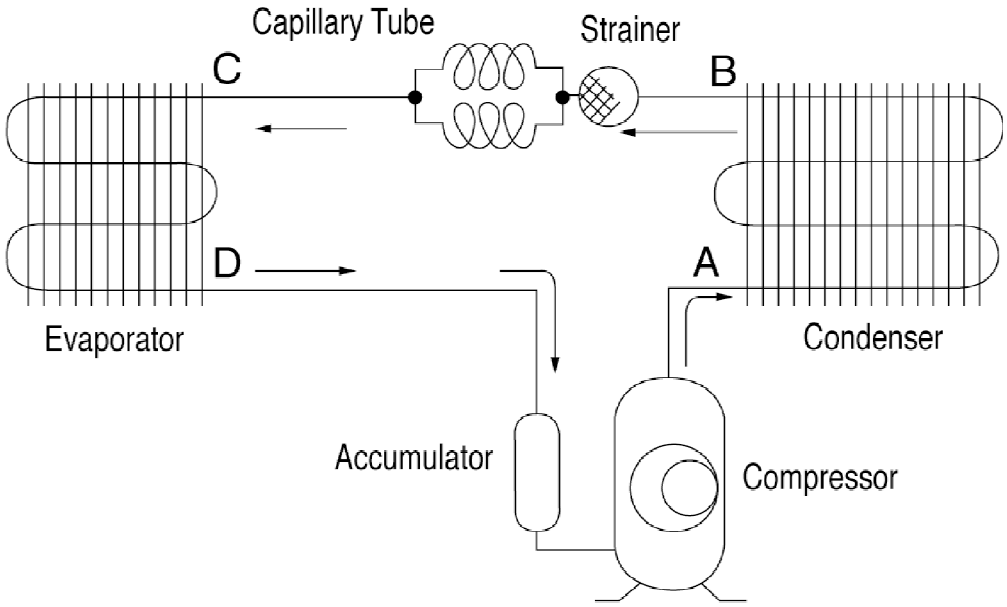
2.3. Resistance of Compressor windings and the rated Capacitor.

Model	CW-C70YR	CW-C90YR
Connection	2RS122D5BB02	2PS156D5CA02
C-R	5.193 Ω	3.501 Ω
C-S	5.557 Ω	3.405 Ω
Capacitor	CWA31501 (20 μ F, 370VAC)	CWA31503 (30 μ F, 370VAC)

Note: Resistance at 20°C of Ambient Temperature.

3. Refrigeration Cycle Diagram

3.1.



3.2. CW-C70YR

Item	Pressure (MPa)	Temperature (°C)
A	1.86 ~ 2.06	70 ~ 85
B	1.81 ~ 2.01	31 ~ 41
C	0.59 ~ 0.66	8 ~ 14
D	0.54 ~ 0.59	13 ~ 21

3.3. CW-C90YR

Item	Pressure (MPa)	Temperature (°C)
A	1.96 ~ 2.22	71 ~ 89
B	1.91 ~ 2.06	35 ~ 45
C	0.56 ~ 0.63	7 ~ 12
D	0.50 ~ 0.56	6 ~ 14

4. Air Conditioner Performance Evaluation

Intake & Discharge Air Temperature Difference	Current Drain	Determination	Remedy
-8°C and over (14.4°F)	-As specified.	-Nothing wrong.	-None.
-8°C and over (14.4°F)	-Higher than specified.	-Nothing wrong, outdoor temperature is too high, heat radiation is not efficient.	-Improve heat radiation.
-Under 8°C (14.4°F)	-Higher than specified.	-Something is preventing heat radiation.	-Excessive amount of refri -Improve heat radiation.
-Under 8°C (14.4°F)	-Lower than specified.	-Leakage of refrigerant or refrigerant system is blocked.	-Locate repair leak. -Flush refrigeration cycle.
-Under 8°C (14.4°F)	-Higher than specified by 50%.	-Compressor defect.	-Replace the compressor.

Note: Room air humidity is relatively higher, the temperature difference will be smaller.

5. Troubleshooting Guide

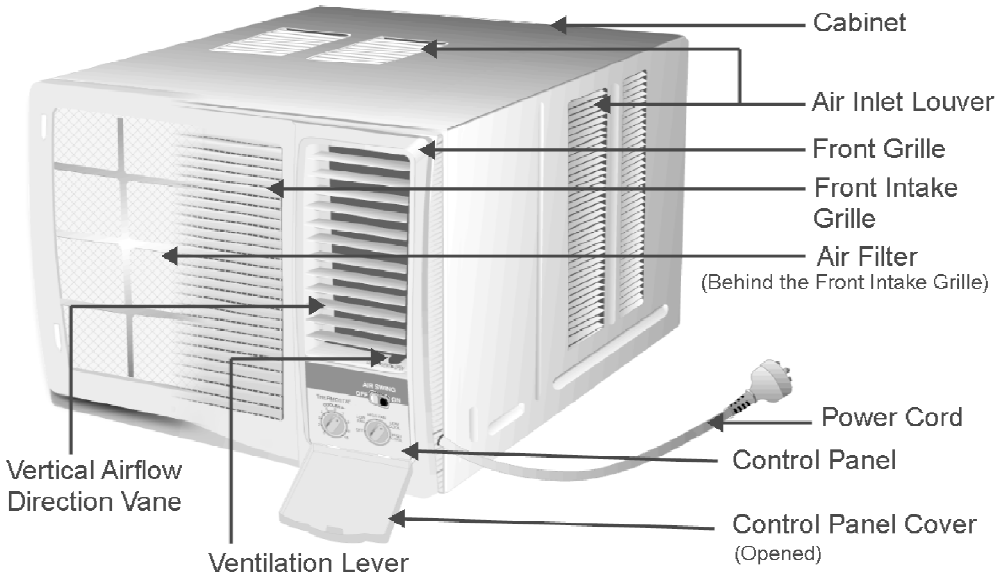
Warning: Disconnect unit from electrical power supply before making any electrical checks.

Trouble	Check	Result	Cause	Reme
Fan Motor and Compressor won't run.	-Supply Voltage -Fuse Box or Circuit Breaker. -Power cord or Wiring Harness. -Thermostat Setting.	-Less than 10% by Rated. -Open Contacts. -Pulled loose or Shorted. -Higher than room temp.	-Temporary or Permanent? -Customer Restarted unit immediately without waiting 3 minutes.	-Consult ELECTR permanent. -Repair Open Cir -WAIT FOR 3 MIN -Repair or Replac -Set it LOWER.
Fan Motor won't run (Compressor run).	-Objects around Fan. -RESISTANCE between Wires. -Capacitor Fan Motor. -Main Control Switch.	-Locked Fan. -Shorted / Open circuit. -OHM Meter doesn't Deflect. -No contacts at Position Shown.	-Fan Hitting Cowling or -Foreign Materials. -Frozen Bearings. -Shorted or Burned out. -Capacitor Defect. -Main Control Switch defect.	-Adjust Fan posit screw. -Remove Foreign -Replace Fan Mot -Replace Fan Mot -Replace Capacit -Replace Main Co
Compressor won't run (Fan run).	-Thermostat setting. -RESISTANCE between Terminal and the Compressor Body. -RESISTANCE between Terminals. -Overload Protector. -Capacitor Compressor. -Thermostat. -Main Control Switch.	-Higher than room temp. -Shorted. -Shorted. -Infinity between Terminals. -OHM Meter doesn't deflect. -No click heard. -No contacts at Position Shown.	-Winding Coil touched to the compressor shell. -Rare Shorted or Burnt out. -Overload Protector defect. -Capacitor defect. -Thermostat defect. -Main Control Switch defect.	-Set it lower. -Replace Compre -Replace Compre -Replace Overloa -Replace Capacit Compressor. -Replace Thermo -Replace Main Co
Air Swing won't run.	-Main Control Switch. -Air Swing Switch. -Resistance between wires.	-High or Low Fan setting. -OFF position. -No contact at position. -OHM Meter doesn't deflect.	-Open circuit. -Shorted or open circuit.	-Set it High or Lo -Set it ON. -Replace Air Swi -Replace Air Swi

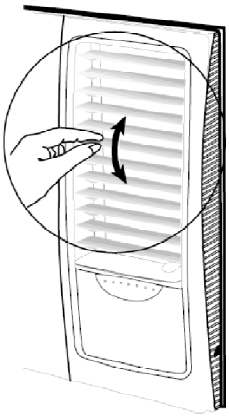
Trouble	Check	Result	Cause	Reme
Insufficient cooling.	-Thermostat Setting. -Ventilation door open. -Air filter dirty. -Location of installation. -Evaporator / Condenser Coil obstructed. -Unit capacity for the room too small. -Temp difference and running current.	-Higher than room temp. -Open. -Clogged or dirty. -Sunlight hitting outdoor side. -Obstacles. -Clogged or dirty. -Not satisfied. -REFER TO PERFORMANCE EVALUATION.	-Reduces capacity. -Restricted air circulation. -Restricted Heat Exchanger. -Restricted Heat Exchanger. -Restricted air circulation. -Leakage of refrigerant or refrigeration system is blocked.	-Set it lower. -Close Vent. door -Clean or replace -Consider buildin -Remove obstacl unit. -Clean the coils. -Replace the unit one. -Locate repair lea -Flush refrigerati
Noise.	-Source of Noise	-Vibration. -Intermittent Noise.	-Faulty installation. -Fan hitting objects. -Refrigerant tubing touching each other. -Fan splashing Drain Water.	-Reinstall unit or installation. -Adjust Fan posit foreign materials. -About 1/2” Clear -Normal occurrer
Water dripping inside room.	-Unit installation. -Drain Tray-Styrofoam pieces blocking drain channel.	-Tilted to inside room. -Clogged.	-Restricted run off. -Clogged or blocked.	-Tilt unit to outsi -Remove the fore
Frozen Evaporator	-Thermostat setting. -Air filter / Evaporator. -Temp. difference and running current.	-Set too low for ambient conditions. -Clogged or Dirty. -REFER TO PERFORMANCE EVALUATION.	-Outdoor temp. low (Night time). -Restricted air circulation. -Leakage of refrigerant or refrigeration system is blocked.	-Set the Main Co Fan to melt ice ar Temp. Control to temperature. -Clean Air filter / -Locate and repa -Flush refrigerati

6. Operating Instructions

6.1. Parts Identification.



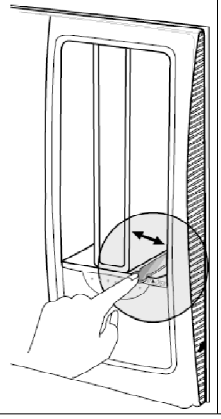
6.1.1. Vertical Airflow Direction Vane.



Airflow direction adjustment Up-and-Down.

-The vertical airflow direction vane may be positioned to deflect the air upward, downward or straight on.

6.1.2. Ventilation Lever.



When the slide lever is in the:

-"OPEN" position, the ventilation door opens to allow air, smoke and odors to be expelled from the room.

-"CLOSE" position, the ventilation door is closed and the air inside the room is circulated and conditioned.

6.1.3. Operating Conditions.

Use the air conditioner under the following conditions:

- Operating temperature range.

	Indoor side	Indoor side	Outdoor side	Outdoor side
	D.B.T.	W.B.T.	D.B.T.	W.B.T.
Maximum Temperature	32°C	23°C	43°C	26°C
Minimum Temperature	21°C	15°C	21°C	15°C

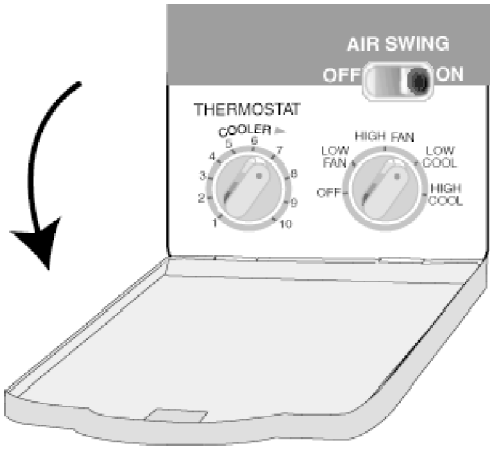
Note: Humidity may exceed 90%.

- Continuous operation at over 90% high humidity may create condensation and result in water drops on the intake and outlet vanes.

6.2. How to Operate.

1. Open the Control Panel Cover.

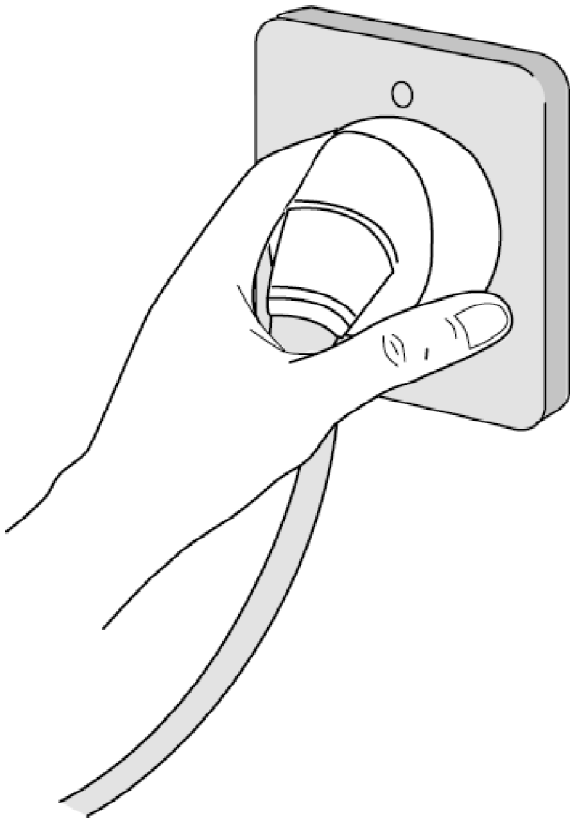
Fig. 1



2. Power Supply

Switch off the breaker and set the Main Control Knob to the OFF position before plugging the power plug into an electrical outlet.

Fig. 2

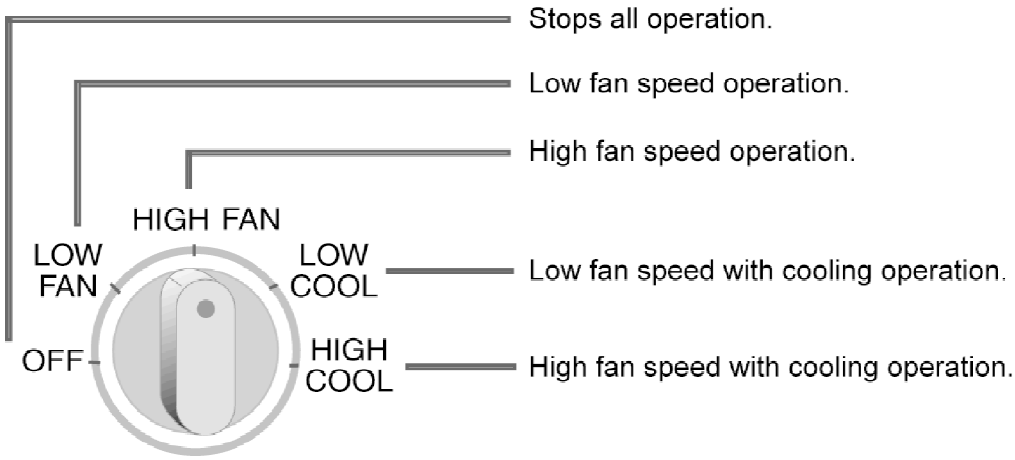


3. Main Control Knob

Set the Main Control Knob to either LOW COOL or HIGH COOL as desired, FAN setting operates the fan only.

Caution: If the Main Control Knob is turned off or changed to a fan setting from a cooling operation setting, WAIT at least 3 minutes before resetting it to a cooling operation.

Fig. 3



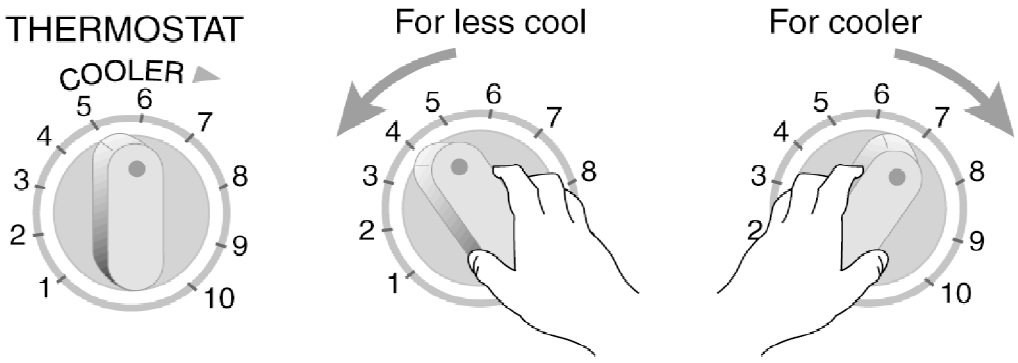
4. Thermostat Control Knob

Turn the Thermostat Control Knob as shown in Fig. 4. Usually “6”

~ “7” is the recommended setting position.

Note: When the Thermostat Control Knob is set to “10”, moisture may freeze onto the evaporator fins and prevent effective cooling. If this happens, turn the Main Control Knob to HIGH FAN, and the Thermostat Control Knob counterclockwise. This will quickly defrost the evaporator fins so that normal cooling can be resumed.

Fig.4



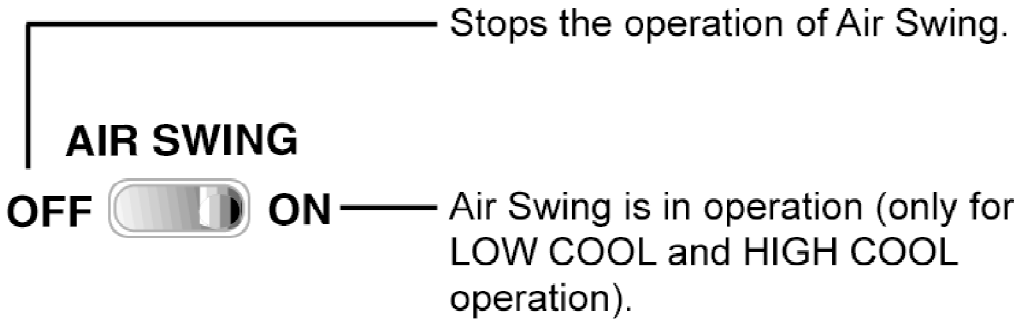
5. Air Swing Slide Switch

(Airflow direction adjustment side-to-side)

To obtain a fixed airflow direction, set the Air Swing Slide Switch to “ON” for the vanes to swing from side to side until the desired flow direction is reached, then switch it to “OFF”.

For continuous side-to-side air circulation, set the Air Swing Slide Switch to “ON”.

Fig. 5



7. How to Install

7.1. Before installing air conditioner, please read the following:

7.1.1. Electrical Work.

- Always use at the rated voltage and with a specific air conditioning circuit.

- Power supply point shall be the place where there is ease for the

power disconnection in case of emergency.
- Some installation locations may require installation of a short-circuit breaker.
- A 16 Ampere time delay fuse or circuit breaker is required.
- Nominal cross sectional area of power supply wire must be 3 core x 1.0 mm2 or above.
- The power supply must be from an independent circuit.
- All electrical installation must be made in accordance with local wiring and safety regulations wherever applicable.
- There must be a double pole switch with minimum of 3mm contact gap in the fixed installation circuit (Applicable for models without power supply plug only).

7.1.2. Select the Best Location.

- Install the unit at the nearest power outlet.
- The air conditioner should be installed in a dry place where there are no draughts.
- Condensation from the air conditioner must be drained into an appropriate location.
- Do not install in a location where flammable gas leaks is a possibility.
- Usage in locations where the air is salty such as coastal areas or near hot spas, or where sulphurous gas is generated, may lead to a malfunction.
- Do not install this appliance in a laundry room or other locations where water may drip from the ceiling, etc.
- Select an installation location which is rigid and strong enough to support or hold the unit and select a location for easy maintenance.

7.2. Preparation for Installation.

- There should not be any obstacles surrounding the unit.
- Prepare an installation hole that is only slightly bigger than the cabinet size.

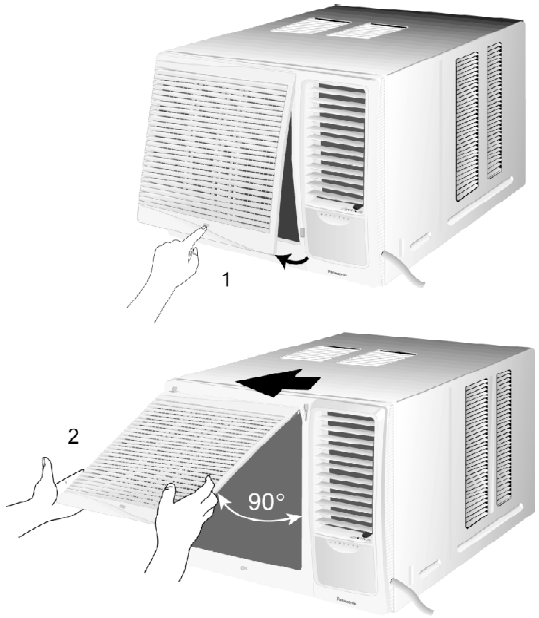
7.3. Installation Procedure.

7.3.1. Remove the Front Intake Grille.

1. Push on the indication. Front Intake Grille will be automatically

released.

2. **Pull up the Front Intake Grille to about 90°. Slide it slightly to the left to unhook the tabs.**



7.3.2. Remove the Air Filter.

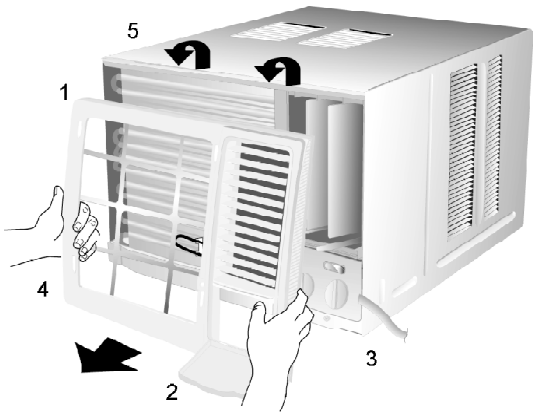
- Tilt up and pull out the air filter by the holder.

7.3.3. Remove the Front Grille.

1. **Remove the adhesive tapes from all sides of the Front Grille.**
2. **Open the Control Panel cover.**
3. **At the bottom right side of the Front Grille, press inward on the Cabinet near the Power Cord and pull the grille outward to the right until the right tab releases.**
4. **At the bottom left side, push inward on the Cabinet and pull the**

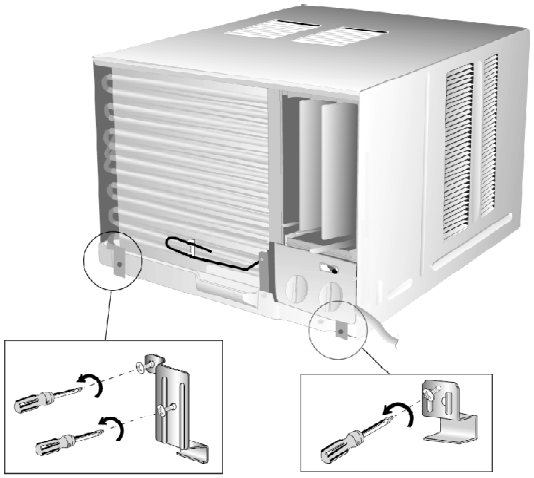
grille outward to the left to release the left tab. Do not pull the bottom edge toward you more than 3 inches as to prevent top two tabs from damage.

5. **Slide the Front Grille upward to free the two top tabs from slots at the top of the Cabinet.**



7.3.4. Remove the Chassis Locking Brackets from the Cabinet.

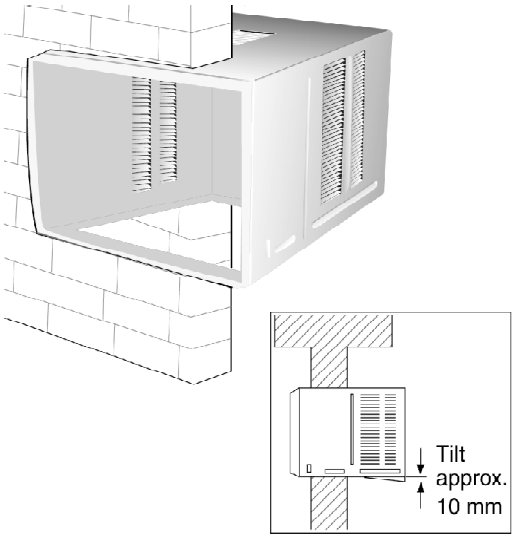
- Unscrew and remove both Chassis Locking Brackets. Keep them for reinstallation.



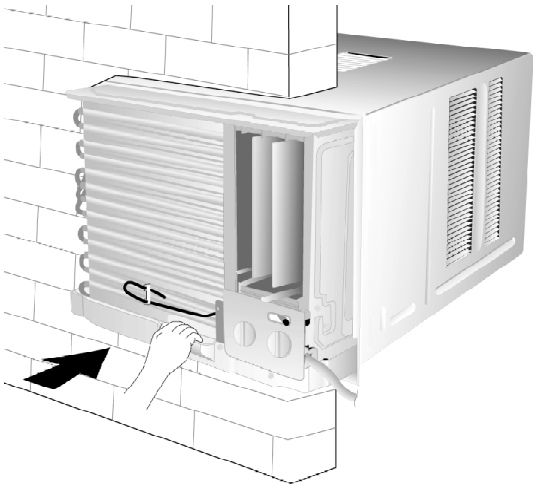
7.3.5. Slide the Chassis out from the Cabinet.

7.3.6. Place Cabinet into the installation hole, then secure it by wood screws or nails.

- Note: Tilt down for better drainage (max. 10mm).

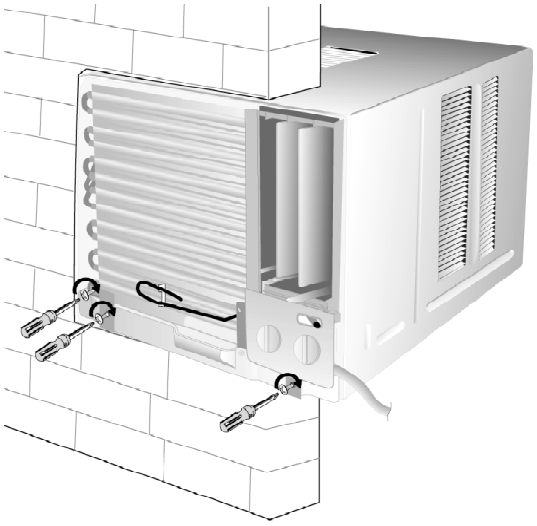


7.3.7. Slide the Chassis back into the Cabinet.



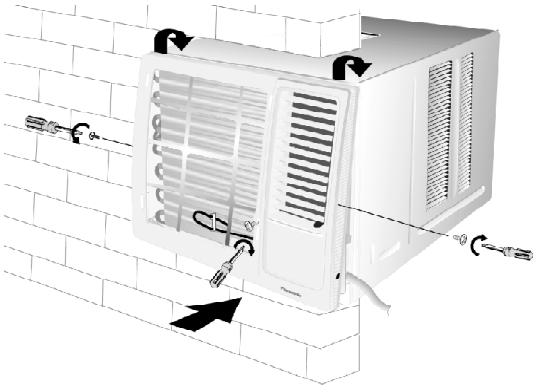
7.3.8. Lock the Chassis back to the Cabinet by using back the Chassis Locking

Brackets.

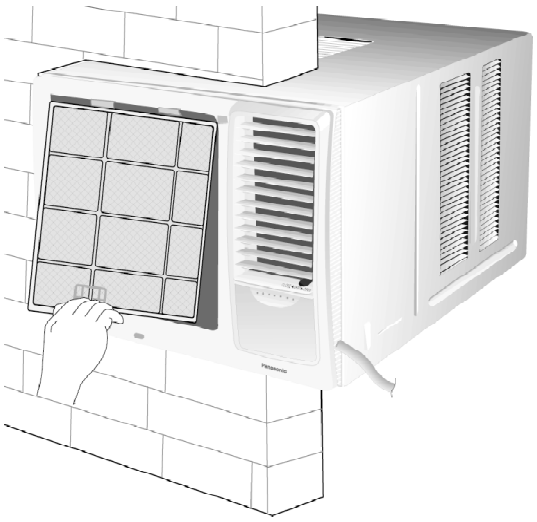


7.3.9. Reattach the Front Grille to the Cabinet and secure it with screws.

- Note: Depending upon the location of the AC outlet, route the AC cord to either the left or right side while installing the Front Grille.

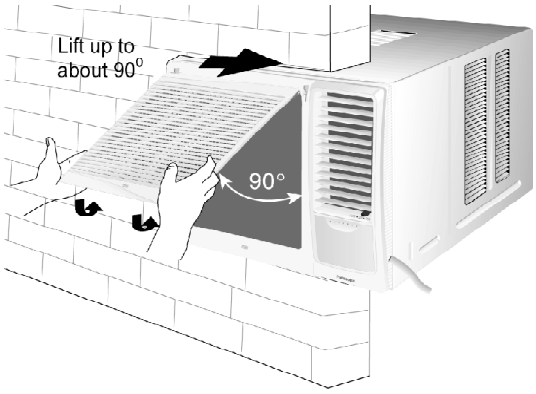


7.3.10. Insert the Air Filter.



7.3.11. Reattach the Front Intake Grille.

- Slide the Front Intake Grille slightly to the right to reattach the tabs and then push down to close tight.
  Note: A"Click" sound can be heard when the Front Intake Grille is pushed down.

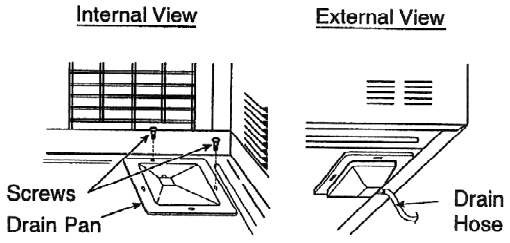


7.4. Condensed Water Drainage.

This air conditioner employs a "Slinger-Up System" which is designed to splash the condensed water on the condenser coil for maximum cooling efficiency, thus producing a splashing sound. If the splashing sound annoys you, you can provide an outside drainage by using the following procedure which may, however, cause a small loss of performance.

1. Slide out the Chassis from the Cabinet.
2. Remove the rubber plug from the Base Pan.
3. Install the Drain Pan at the right corner of the Cabinet with 2 screws.
4. Connect the drain hose to the outlet of Drain Pan bottom.
5. Slide the Chassis back into the Cabinet.

Note: Drain hose or tubing can be purchased locally to satisfy your particular needs.



8. Care and Maintenance

Caution: Always turn off the air conditioner and the main power supply before unplugging the power cord to clean the unit.

8.1. Cleaning the Unit.

Clean the Cabinet, Front Grille with a mild soap or detergent and lukewarm water.

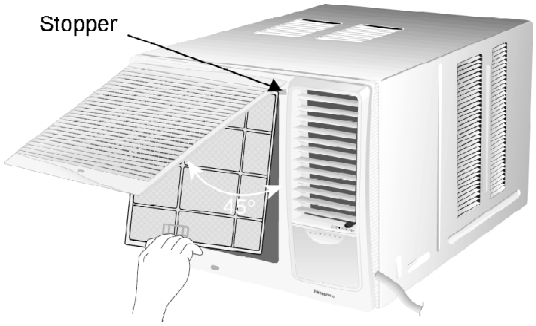
8.2. Cleaning the Front Intake Grille.

Gently wash with water and a sponge. (Do not use a scrubbing brush or other hard cleaning aids).

8.3. Cleaning the Air Filter.

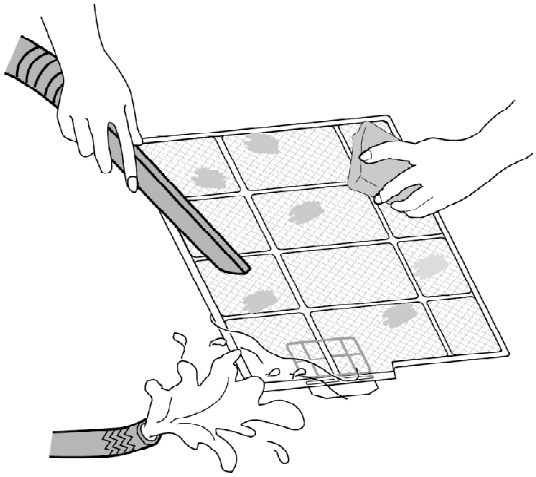
1. Push and release the bottom of the Front Intake Grille.

2. Lift up the Front Intake Grille at 45° until it is supported by the stopper.



3. Tilt up and pull out the Air Filter by the holder.

4. Vacuum the front of the filter and then wash the back of it with water. If it is badly soiled, wash with a mild household detergent.

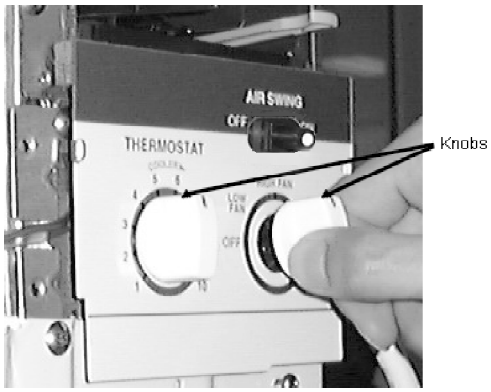


Note: Do not clean with benzene, thinner, scouring powder or corrosive chemicals. Do not dry the Front Intake Grille or the Air Filter in direct sunlight. Exposure to direct sunlight may discolor or deform the panel.

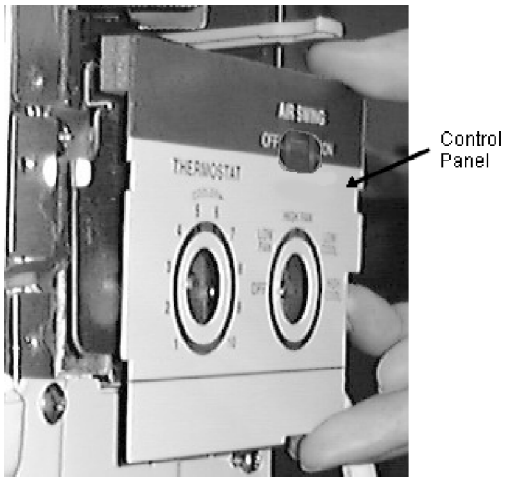
9. Service Information

9.1. Removal of the Control Board

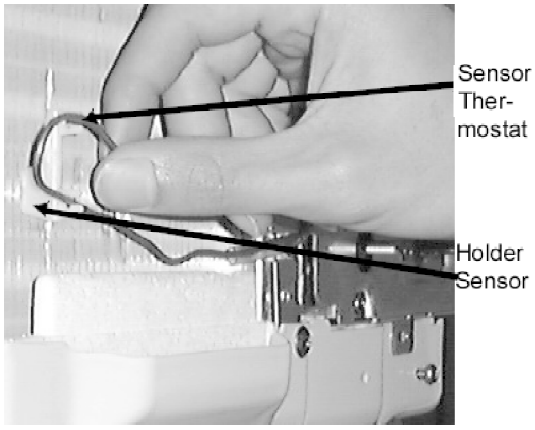
1. Remove the Front Intake Grille (refer to page 9).
2. Remove the Air Filter (refer to page 9).
3. Remove the Front Grille (refer to page 9).
4. Remove the 2 knobs.



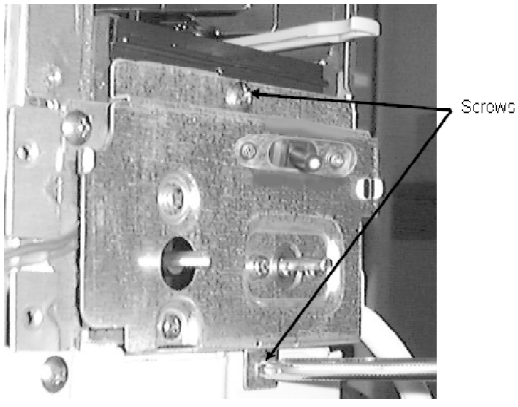
5. Take off the Control Panel.



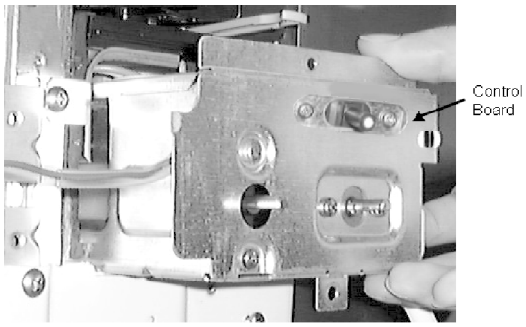
6. Release the sensor thermostat from the holder sensor.



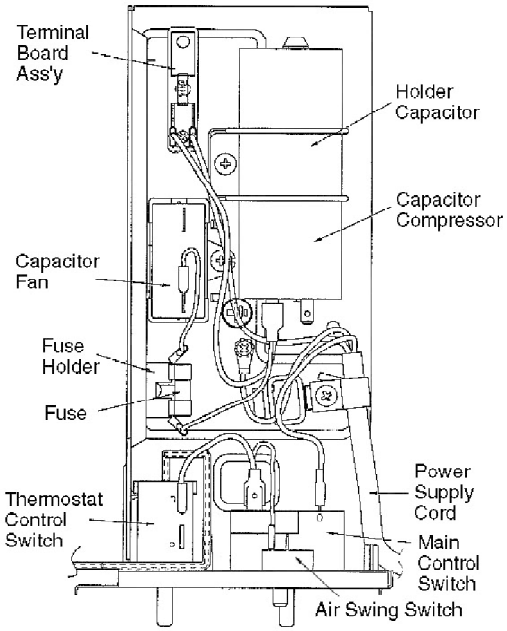
7. Loosen the 2 screws of the Control Board.



8. Slide the Control Board out from the chassis.



- Control Board part location.

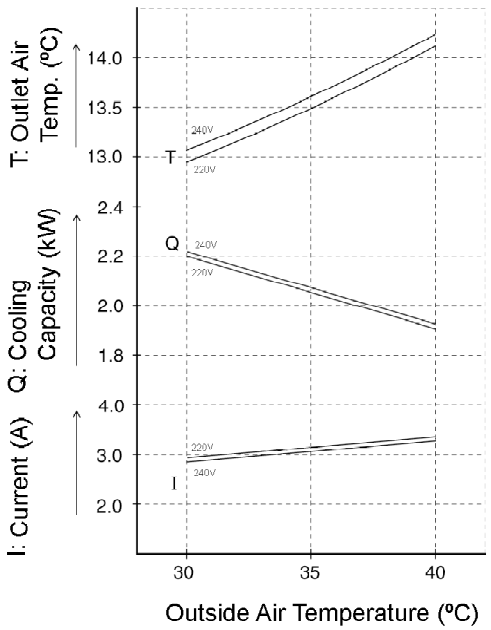


10. Technical Data

10.1. Operation Characteristics.

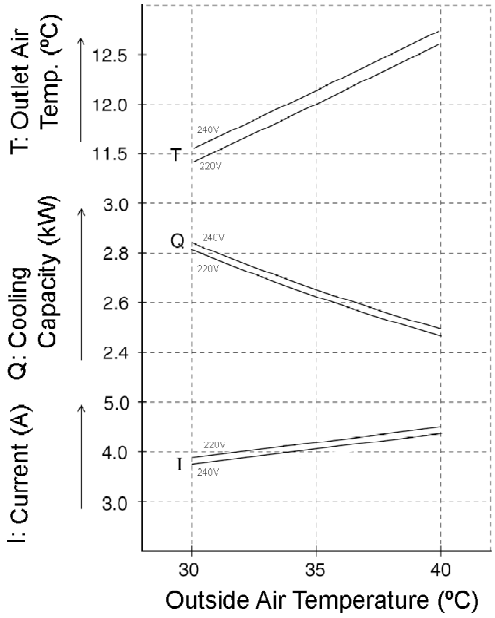
10.1.1. CW-C70YR

- Cooling Characteristics Vs. Outdoor Temperature.



10.1.2. CW-C90YR

- Cooling Characteristics Vs. Outdoor Temperature.



10.2. Sensible Capacity Chart.

10.2.1. CW-C70YR

- 240 V

	Outdoor Temp. (°C)											
Indoor Wet	30			35			40			46		
Bulb Temp.	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
17.0 °C	2.03	1.84	0.66	1.90	1.78	0.71	1.78	1.66	0.76	1.61	1.43	0.82
19.0 °C				2.07		0.72						
19.5 °C	2.26	1.61	0.67	2.11	1.51	0.72	1.97	1.49	0.77	1.80	1.43	0.83
22.0 °C	2.50	1.51	0.68	2.34	1.32	0.73	2.17	1.18	0.78	1.99	1.04	0.84

- 220 V

	Outdoor Temp. (°C)											
Indoor Wet	30			35			40			46		
Bulb Temp.	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
17.0 °C	2.02	1.83	0.63	1.90	1.77	0.68	1.77	1.65	0.73	1.61	1.42	0.79
19.0 °C				2.06		0.69						
19.5 °C	2.25	1.61	0.64	2.10	1.50	0.69	1.96	1.48	0.74	1.79	1.42	0.79
22.0 °C	2.49	1.50	0.65	2.33	1.32	0.70	2.16	1.17	0.75	1.98	1.03	0.81

TC - Total Cooling Capacity (kW)
SHC - Sensible Heat Capacity (kW)
IP - Input Power (kW)
Indoor: 27°C / 19°C
Outdoor: 35°C / 24°C

10.2.2. CW-C90YR

- 240 V

	Outdoor Temp. (°C)											
Indoor Wet	30			35			40			46		
Bulb Temp.	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
17.0 °C	2.62	2.38	0.89	2.46	2.30	0.96	2.30	2.14	1.02	2.08	1.84	1.10
19.0 °C				2.67		0.97						
19.5 °C	2.91	2.08	0.90	2.72	1.95	0.97	2.54	1.92	1.03	2.32	1.84	1.11
22.0 °C	3.23	1.95	0.91	3.02	1.71	0.97	2.80	1.52	1.05	2.56	1.34	1.13

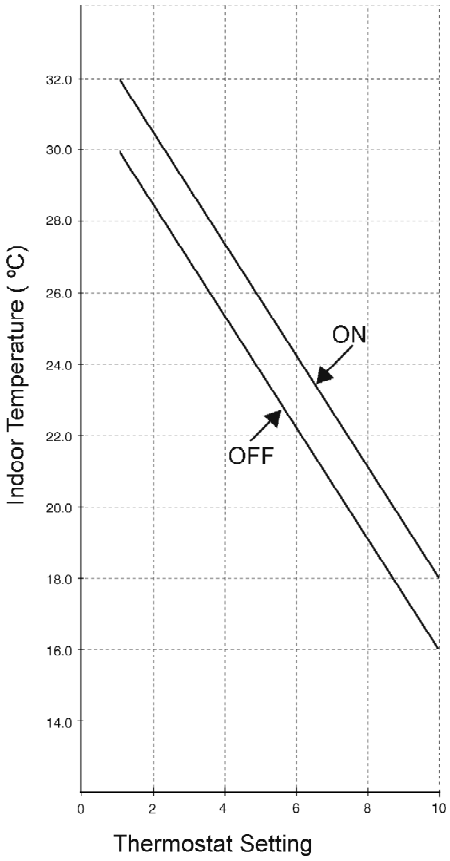
- 220 V

	Outdoor Temp. (°C)											
Indoor Wet	30			35			40			46		
Bulb Temp.	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP	TC	SHC	IP
17.0 °C	2.59	2.35	0.85	2.43	2.27	0.92	2.27	2.11	0.98	2.06	1.82	1.05
19.0 °C				2.64		0.93						
19.5 °C	2.88	2.06	0.86	2.69	1.93	0.93	2.51	1.90	0.99	2.30	1.82	1.06
22.0 °C	3.19	1.93	0.87	2.98	1.69	0.93	2.77	1.50	1.01	2.53	1.32	1.08

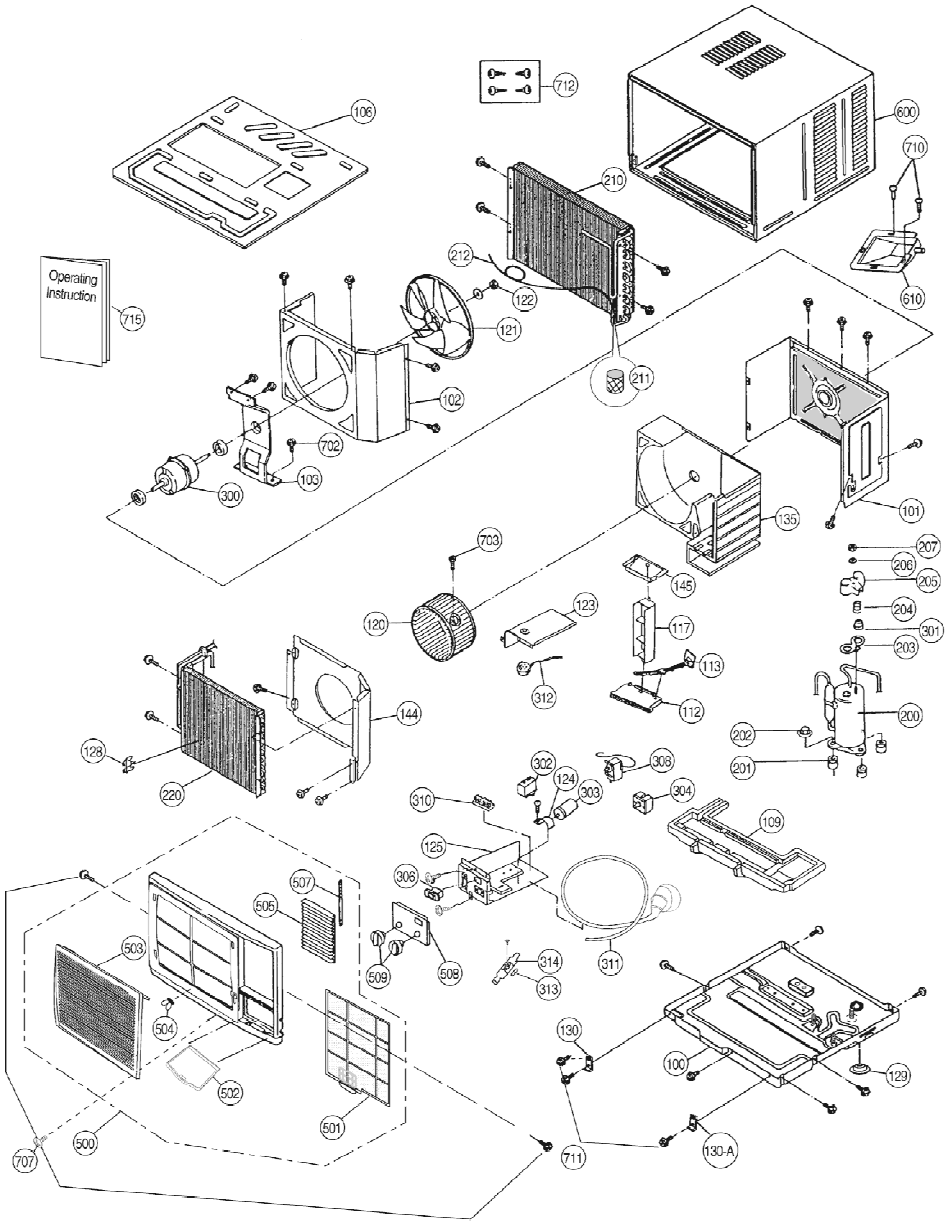
TC - Total Cooling Capacity (kW)
SHC - Sensible Heat Capacity (kW)
IP - Input Power (kW)
Indoor: 27°C / 19°C
Outdoor: 35°C / 24°C

10.3. Thermostat Characteristics.

- Mechanical Thermostat.



11. Exploded View



(Note)

- The above exploded view is for the purpose of parts disassembly and replacement.

- The non-numbered parts are not kept as standard service parts.

12. Replacement Part List

Ref. No.	Part Name & Description	Qty	CW-C70YR	CW-C90YR
100	Base Pan Complete	1	CWD52K288A	<----
101	Bulkhead Complete	1	CWD53C1001	<----
102	Air Guide - Propeller Fan	1	CWD31146	<----
103	Bracket - Fan Motor	1	CWD54186	<----
106	Top Plate	1	CWD64C1001	<----
109	Drain Tray - Evaporator	1	CWH40215	<----
112	Holder - Ventilation Lever	1	CWD91055	<----
113	Ventilation Lever	1	CWH22031	<----
117	Vane - Air Swing	1	CWE24330	<----
120	Blower Wheel Complete	1	CWH01K069	<----
121	Propeller Fan	1	CWH00052	<----
122	Nut - Propeller Fan	1	CWH56032	<----
123	Holder - Air Swing Motor	1	CWD911015	<----
124	Holder - Capacitor (Compressor)	1	CWH30133	<----
125	Control Board (Main)	1	CWH102049	<----
128	Holder - Sensor	1	CWH32085	<----
129	Drain Plug - Base Pan	1	CWH4611062	<----
130	Chassis Locking Bracket (Left)	1	CWD932018	<----
130-A	Chassis Locking Bracket (Right)	1	CWD932019	<----
135	Air Guide - Blower Wheel	1	CWD32169	<----
144	Air Guide - Blower Wheel (Front)	1	CWD32170	<----
145	Supporter - Air Swing	1	CWD931053	<----
200	Compressor	1	2RS122D5BB02	2PS156D5CA02
201	Bushing - Compressor Mount	3	CWH50072	<----
202	Nut - Compressor Mount	3	CWH4582065	CWH56000
203	Gasket - Terminal Cover	1	CWH7070603	<----
204	Spring Holder - Overload Protector	1	CWH7041200	<----
205	Terminal Cover - Compressor	1	CWH7070205U	<----
206	Gasket - Nut (Washer)	1	CWH7070601	<----
207	Nut - Terminal Cover	1	CWH7080300	<----
210	Condenser	1	CWB32C1037	CWB32C1004
211	Strainer	1	CWB11025	<----
212	Capillary Tube	1	CWB15K1003	CWB15K1001
220	Evaporator	1	CWB30C1017	<----
300	Fan Motor	1	CWA921025	CWA92303
301	Overload Protector - Compressor	1	CWA12343	CWA121020
302	Capacitor - Fan Motor	1	CWA31607 (2.3 μF, 400VAC)	<----
303	Capacitor - Compressor	1	CWA31501 (20 μF, 370VAC)	CWA31503 (30 μF, 370VAC)
304	Main Control Switch	1	CWA07095	<----
306	Switch - Air Swing	1	CWA04039	<----
308	Thermostat	1	CWA151001	<----
310	Terminal Board	1	CWA4711012	<----
311	Power Supply Cord	1	CWA20C2079	<----
312	Air Swing Motor	1	CWA98266	<----
313	Fuse	1	XBA2C31TR0	<----
314	Fuse Holder	1	XCSCW011	<----
500	Front Grille Complete	1	CWE11C2027	<----
501	Air Filter	1	CWD00251	<----
502	Grille Door	1	CWE14249	<----
503	Intake Grille	1	CWE221007	<----
504	Catcher	1	CWH60060	<----
505	Vane	12	CWE241002	<----

Ref. No.	Part Name & Description	Qty	CW-C70YR	CW-C90YR
507	Link - Vanes	1	CWE26200	<----
508	Control Panel	1	CWE312061	<----
509	Knob Complete - Turning	2	CWE17C076	<----
600	Cabinet Complete	1	CWE00C1006A	<----
610	Drain Pan	1	CWH40175	<----
702	Screw - Bracket Fan Motor	4	CWH55101	<----
703	Screw - Blower Wheel	1	CWH4580326	<----
707	Screw - Front Grille Mount	1	CWH82C1027	<----
710	Screw - Drain Pan	1	CWG86C733	<----
711	Screw - Chassis Locking Bracket	3	XTN4+8C	<----
712	Screw - Unit Installation	1	CWG86C280	<----
715	Operating Instructions	1	CWF563138	<----

- The above parts are kept for seven years in accordance with MEI service policy.

- However, longer lead time will be taken in supplying the non-numbered parts.

- All parts are supplied from MAICO, Malaysia (Vendor Code: 061).

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